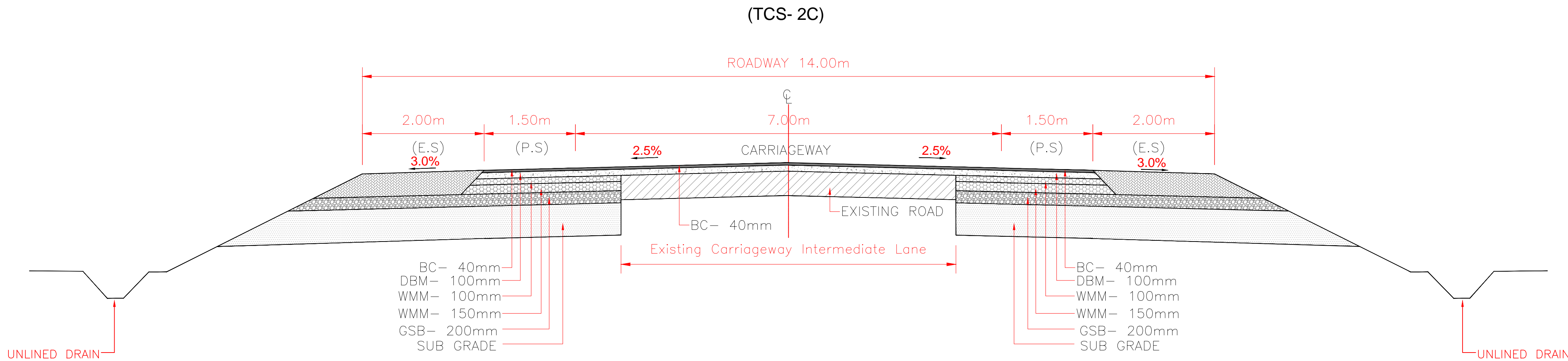


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**CONCENTRIC WIDENING AND OVERLAYING FOR
TWO LANE WITH PAVED SHOULDER IN OPEN
AREAS (TCS- 2C) FOR PLAIN TERRAIN
(EXISTING INTERMEDIATE LANE)**

S.NO	DESIGN CHAINAGE		LENGTH (m)	TCS TYPE
	FROM	TO		
1	136+740	145+550	8810	TCS-2C
2	146+200	146+900	700	TCS-2C
TOTAL LENGTH			9510	

Project Title :

**Consultancy services for feasibility study and preparation of DPR for
improvement and up-gradation of in principle declared National
Highways in the state of Uttar Pradesh.**
Section : Bewar - Farrukhabad - Miranpur Katra - Bisalpur - Pilibhit

CLIENT



MINISTRY OF ROAD
TRANSPORT & HIGHWAYS

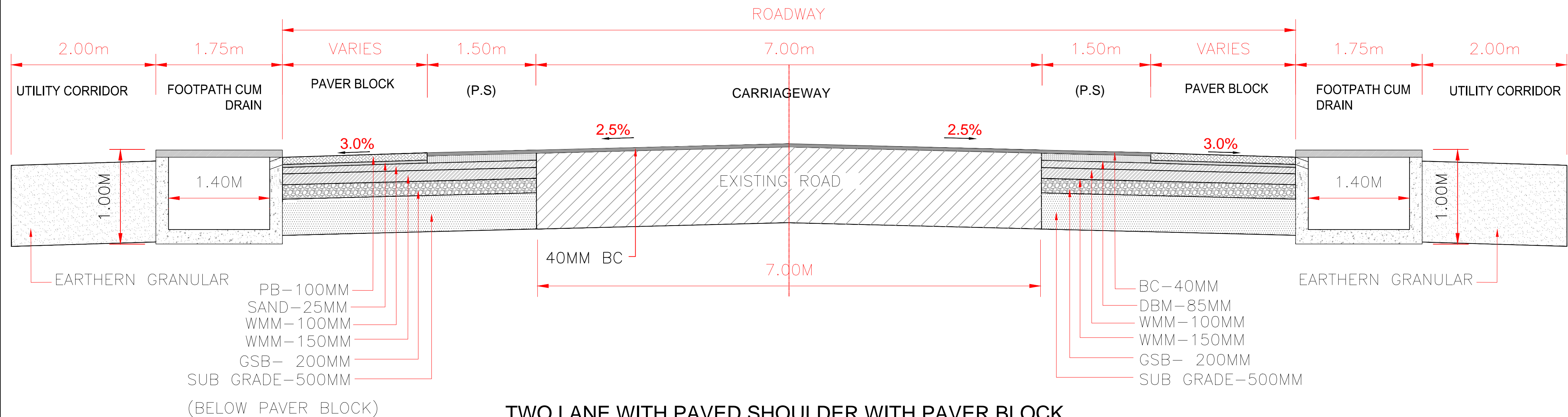
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PRADEEP RAWAT	LOVISH	M.P.S	

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(TCS- 6B)



TWO LANE WITH PAVED SHOULDER WITH PAVER BLOCK IN SEMI BUILT UP AREAS (TCS- 6B)

S.NO	DESIGN CHAINAGE		LENGTH (m)	TCS TYPE
	FROM	TO		
1	147+650	149+650	2000	TCS-6B
2	153+140	153+950	810	TCS-6B
3	154+850	155+300	450	TCS-6B
4	158+150	159+350	1200	TCS-6B
5	170+250	171+000	750	TCS-6B
6	174+150	175+500	1350	TCS-6B
7	167+350	168+100	750	TCS-6B
8	168+450	169+000	550	TCS-6B
9	171+650	172+000	350	TCS-6B
10	178+150	178+700	550	TCS-6B
11	181+000	181+850	850	TCS-6B
TOTAL LENGTH			9610	

Project Title :

Consultancy services for feasibility study and preparation of DPR for improvement and up-gradation of in principle declared National Highways in the state of Uttar Pradesh.

Section : Bewar - Farrukhabad - Miranpur Katra - Bisalpur - Pilibhit

CLIENT



MINISTRY OF ROAD
TRANSPORT & HIGHWAYS

Drawing Title: TYPICAL CROSS SECTION

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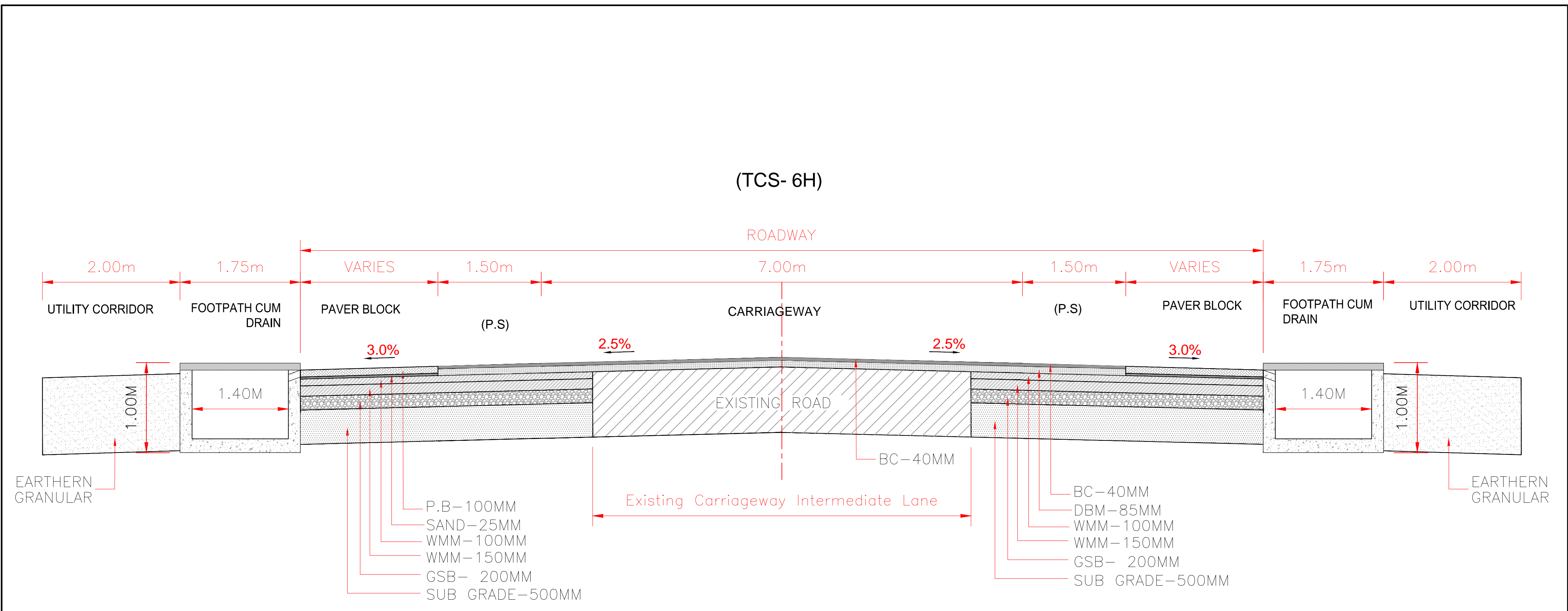
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Date NOV 2018

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Pradesh-201309



**TWO LANE WITH PAVED SHOULDER WITH PAVER BLOCK
IN SEMI BUILT UP AREAS (TCS- 6H)
(EXISTING INTERMEDIATE LANE)**

S.NO	DESIGN CHAINAGE		LENGTH (m)	TCS TYPE
	FROM	TO		
1	145+550	146+200	650	TCS-6H
2	146+900	147+650	750	TCS-6H
TOTAL LENGTH			1400	

Consultancy Services for feasibility study and preparation of Detailed Project Report for improvement and up-gradation of in principle declared National Highways in the State of Uttar Pradesh- Package No. III.Bewar (on NH-34) - Fatehgarh - MiranpurKatra (on NH-30) - Bisalpur - Pilibhit on NH-730.

Package-IV (From Design Chainage Km 136+740 (Radhaita) to Km 183+380 (Pilibhit))

0.12.3 Horizontal Design of Project road

Horizontal Alignment

The proposed details of Horizontal curves and speed are tabulated as shown in Annexure of Horizontal report.

0.13 Road Junctions/ Intersections

There are 3 Major Junctions & 65 minor junctions that exists on the project road and detail of junctions are presented in table shown below –

The detail of Major Junctions are as follows:

S. No.	Location	At grade	Separated	Category of Cross Road			
	Existing Chainage			NH	SH	MDR	Others
1.	147+900	3-Arm ("T")	-	-	SH	-	-
2.	166+950	3-Arm ("T")	-	-	-	-	ODR
3.	183+682	4-Arm ("+")	-	NH	-	-	-

(NH: National Highway, SH: State Highway, MDR: Major District Road)

The detail of the Minor Junctions are as follows:

S. No.	Location	Type	
	From km	T-junction	Cross road
1	138+000	T	-
2	138+220	T	
3	139+200	T	
4	140+950	T	
5	141+000	T	
6	144+350	T	
7	146+300	T	
8	147+350	T	
9	147+895	T	
10	148+350		+
11	148+780		+
12	148+950		+
13	148+310	T	
14	148+580	T	
15	148+660	T	
16	151+720	T	
17	152+000	T	
18	153+270	Y	